

United States Of America
Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

This certificate has been reissued to replace the original certificate reported as lost.

Number SH476NW

This Certificate issued to Siam Hiller Holdings, Inc.
925 M Street
Firebaugh, California 93622

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 6 of the Civil Air Regulations, effective December 20, 1956. See page 3 and 4 of this STC for certification basis.

Original Product Type Certificate Number: 4H11

Make: Hiller

Model: UH-12E

Description of Type Design Change: Installation of an agricultural spray system in accordance with FAA approved Soloy Conversions, Ltd. Drawing List No. 560-801 which consists of tank and booms from Simplex Manufacturing Company Aerial Spray System STC SH273NW and a Solordesign pump drive system.

NOTE: Only those Hiller UH-12E rotorcraft which have been converted to turbine power in accordance with STC SH178WE are eligible for this modification.

Limitations and Conditions: Approval of this change in type design applies to the above model rotorcraft only. The intended use of the modified rotorcraft is for restricted category operations only. A copy of this Certificate must be maintained as part of the permanent records for the modified rotorcraft. The limitations and conditions of Rotorcraft Type Certificate 4H11 and STC SH178WE apply except as outlined on pages 3 and 4 of this STC. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data, which is the basis for approval, shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: August 6, 1976

Date reissued: 06/02/83; 10/25/84; 05/28/91;
11/30/95; 04/15/09

Date of issuance: July 13, 1977

Date amended: 07/22/75; 05/28/91



By direction of the Administrator

Hajja Haj-Eid
(Signature)

Supervisor, Technical & Administrative Support
Staff, Los Angeles Aircraft Certification Office
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this Supplemental Type Certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

TRANSFER ENDORSEMENT

Transfer the ownership of the Supplemental Type Certificate Number _____

to *(Name of transferee)* _____

(Address of transfer) _____

(Number and street)

(City, State, and Zip code)

from *(Name of grantor)* *(Print or type)* _____

(Address of grantor) _____

(Number and street)

(City, State, and Zip code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor *(In ink)*: _____

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Limitations and Conditions: (Continued)

1. Applicability

- a. The approval of this change in type design applies to the basic Hiller Model UH-12E rotorcraft as modified by STC SH178WE. This approval should not be extended to other rotorcraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that rotorcraft.
- b. The approval is for the combination of Soloy and Simplex equipment described in Soloy Drawing List No. 560-801 only. Any other spray system used in conjunction with the Soloy pump drive system must be evaluated and approved by the FAA.
- c. The upper gearbox-mounted hydraulic pump, as installed on the Soloy/Hiller rotorcraft, has been evaluated up to a steady running load of 18 H.P. (maximum) at a pump shaft speed of 2324 R.P.M.

2. Rotorcraft Flight Manual Supplement

The FAA approved Soloy Conversions, Ltd. Rotorcraft Flight Manual Supplement RFMS-6 for the agricultural spray system is required together with the FAA approved Soloy Conversions, Ltd. Rotorcraft Flight Manual dated April 10, 1975, with Supplement dated January 20, 1976, is required in lieu of that specified for the basic unmodified Model UH-12E. Refer to the applicable portions of this FAA approved Soloy Conversions, Ltd. Rotorcraft Flight Manual Supplement for required placards.

3. Certification Basis

- a. Civil Air Regulations Part 6 dated January 15, 1956, with Amendments 6-1 through 6-7 thereto.

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- b. The following paragraphs of Federal Aviation Regulations part 27 including Amendment 27-1 thereto:
- §§ 27.45 through 27.79, 27.143, 27.361(a), 27.901 through 27.1193, 27.1305, 27.1337, 27.1351(c), 27.1353, 27.1505, 27.1509(c), 27.1521, 27.1549 through 27.1555, 27.1557, 27.1559, 27.1583(b), and (f), 27.1587, 27.1589.
- c. Special Conditions 27-1-WE-1, dated August 6, 1968, and Amendment 1 thereto, dated February 28, 1975.
- d. Paragraph 21. 25 of the Federal Aviation Regulations.

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